

# FRA<sup>®</sup> C12

Support natural Body Defences and control Pathogens

- » Immune system
- » Improve inflammatory response
- » Control Gram+ bacteria
- » Control fat-enveloped viruses

ADISSEO  
A Bluestar Company

BOOST THE IMMUNE SYSTEM

# FRA® C12

## Support natural Body Defences and control Pathogens

### PATHOGEN CONTROL

FRA® C12 is active against several **Gram-positive bacteria** (e.g. *Streptococcus suis*, *Staphylococcus aureus*, *Clostridium perfringens*, *Enterococcus faecalis*) and **fat-enveloped viruses** (e.g. *Infectious Bronchitis Virus*, *Porcine Reproductive and Respiratory Syndrome Virus*). The direct anti-pathogenic activity is mainly established by the disruption of the bacterial cell membrane and fat-envelope of the virus.

### BODY DEFENCE

FRA® C12 improves natural Body Defence systems by increasing antibody titer values, indicating a more active **immune system**. This may lead to a better protection against pathogens during times of infection. Furthermore, our glycerides of lauric acid have shown in vitro to reduce Nitric Oxide production by macrophages-like cells, which is the first indication of their **anti-inflammatory effects**. In literature it is shown that glycerides of lauric acid reduce the production of pro-inflammatory cytokines, alleviating inflammation.

All these features of FRA® C12 result in a better defence mechanism of the animal against pathogenic challenges, lowering the necessity of using antibiotics.

### COMPOSITION

- » Glycerides of lauric acid

### CHARACTERISTICS

- » Available in Dry & Liquid
- » Heat-stable & non-corrosive
- » Neutral taste and odour
- » Available in 20 kg bag, 1000 kg big bag and bulk

### DOSAGE

- » **Broilers:** 1.0 – 3.0 kg/ton
  - » **Laying hens:** 1.0 – 2.0 kg/ton
  - » **Sows:** 2.0 kg/ton
  - » **Piglets:** 2.0 – 4.0 kg/ton
- For specific dosage advice, contact your technical salesrepresentative

#### BROILERS

##### ADWG

Increased Average Daily Weight Gain

+5.1%



##### EPEF

Improved European Production Efficiency Factor

+26.5pnts



##### FCR

Reduced Feed Conversion Ratio

-5.2pnts



#### WEANED PIGLETS

##### ADWG

Increased Average Daily Weight Gain

+10.8%



##### ROI

Return on Investment

+6.5



##### MORTALITY

Reduced mortality

-13.3%



#### SOWS

##### W. WEIGHT

Weaning weight

+870g



##### PREGNANCY

Pregnancy rate

+5.6%



##### PRE W. MORTALITY

Pre weaning mortality

-27%



Above results show average values compared to the control group.

Data from this flyer is based on our current knowledge and experience. Since many factors can affect the performance of our product during and after application, processors are responsible for conducting their own tests and investigations. Certain statements or product associated claims may not be applicable in all geographical regions and can differ upon local governmental requirements.

